

KACHURIN, V.K.

29619

Yeshchye Odin Priyem Raschyeta Byessharnirnykh Sbodov. Trudy Akad. (Voyen.-Transp.  
Akad. Vooruzh. Sil im Kaganovicha), vyp.17, 1949, s.48-74

SO: Letopis' No.40

KACHURIN, V.K.

29608

Dprayedvelyeniye Dyeformatsiy Givkoy Pologoy Niti. Trudy akad (Voyen.- ttryansp., Akad. Vooruzh. Sil im. Kagenovicha), vyp 17, 1949, S.75-86.

SO: Letopis' No140

*И. С. ЧУВАСИН, к. ф.*

BELYAYEV, N.M.; ALEKSANDRIN, I.P.; BELYAVSKIY, I.A.; KACHURIN, V.K.; KIPNIS, Ya.I.; KOZHEVNIKOV, I.A.; MONAKHOV, N.I.; MOROZOV, S.M.; MOROZOV, Yu.N.; STEPKIN, S.A.; FIGURNOV, N.M.; KACHURIN, V.K., redaktor; SNITKO, I.K., redaktor; GAVRILOV, S.S., tekhnicheskiy redaktor.

[Laboratory testing of the strength of materials] Laboratornye raboty po soprotivleniu materialov. Izd. 5-e, perer. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1954. 286 p. (MLRA 7:12)  
(Materials--Testing) (Metals--Testing) (Strength of materials)

124-57-1-1140

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 1, p 158 (USSR)

AUTHOR: Kachurin, V.K.

TITLE: Some Calculation Problems of Skewed Bridges (Nekotoryye voprosy rascheta kosykh mostov)

PERIODICAL: Sb. Leningr. in-ta inzh. zh.-d. transp., 1954, Nr 146,  
pp 283-290

ABSTRACT: Approximate calculation of narrow skewed flitch-beam bridges having two principal beams and supported in four points. Formulas are provided for the determination of the magnitudes of the supplementary bending and torsional moments due to the skewedness of the bridge when the bridge is subjected to a uniformly distributed load. The effect of the skewedness diminishes as the torsional rigidity of the bridge diminishes. A numerical computation shows that the application of the straight-bridge formula to skewed bridges leads to significant errors relative to the magnitude of the forces (up to 50 percent in the example considered). An approximate method for the construction of the influence lines is proposed for the case of a single load traveling along the centerline of the road. Yu.P. Grigor'yev  
1. Bridges--Design 2. Bridges--Stresses--Mathematical analysis

Card 1/1

KACHURIN, V.K., professor, doktor tekhnicheskikh nauk.

Determining moments of inertia by transforming cross sections.  
Sbor. LIIZHT no.146:291-293 '54. (MERA 8:1)  
(Moments of inertia)

KACHURIN, V.K.

BELYAYEV, Nikolay Mikhaylovich; BELYAVSKIY, L.A.; KACHURIN, V.K.; KIPNIS,  
Ya.I.; KOZHEVNIK, I.A.; KUSHKELEV, N.Yu.; SINITSKIY, A.I.; KACHURIN,  
V.K., redaktor; SNITKO, I.K., redaktor; TUMARKINA, N.A., tekhniko-  
tekhnikiy redaktor

[Collection of problems on strength of materials] Sbornik za-  
dach po soprotivleniu materialov. Izd.3-e, perer. i dop.  
Moskva, Gos.izd-vo tekhniko-teoret. lit-ry, 1955. 346 p.

(Strength of materials--Problems, exercises, etc.) (NRA 9:3)

SOV/124-58-11-13246

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 194 (USSR)

AUTHOR: Kachurin, V. K.

TITLE: On the Effect of Tangential Stresses on the Deformation of Beams  
(O vliyanii kasatel'nykh napryazheniy na deformatsii balok)

PERIODICAL: Sb. Leningr. in-ta inzh. zh.-d. transp., 1955, Nr 148, pp 57-68

ABSTRACT: An approximate method is proposed for the consideration of the effect of tangential stresses on the deflection of beams. The total transverse force is replaced by two components: 1) A "free" portion which arises in connection with the deformation of the cross section, and 2) a "constrained" portion which is not accompanied by a deformation of the cross section, but which produces therein a "supplementary" bending moment. The total deflection is obtained as the sum of the usual deflection and the supplementary deflection caused by the free transverse force. For short, thin-walled beams the supplementary deflection attains 50-80% of the basic deflection.

B. V. Didov

Card 1/1

KACHURIN, Vladimir Konstantinovich; SNITKO, I.K., redaktor; AKHILAMOV, S.N.,  
tekhnicheskij redaktor

[Elastic suspension elements with small span sag] Gibkie niti s malymi  
strelkami. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 224 p.  
(Elasticity) (MLRA 10:1)  
(Electric lines) (Bridges, Suspension)

KACHURIN, V.K.

3-5-12/38

AUTHOR: Kachurin, V.K., Doctor of Technical Science, Professor

TITLE: On the Extent and Content of the Course "The Strength of Materials" (Ob ob'yëme i soderzhanii kursa "soprotivleniye materialov")

PERIODICAL: Vestnik vysshey shkoly, 1957, №5, p 34-36 (USSR)

ABSTRACT: The author states that a discussion on the course "The Strength of Materials" showed several different opinions. A.D. Manasevich considers it necessary to treat every question relating to metals. The author considers that this may be right for mechanics but not for builders, who must know the qualities of timber and concrete. The opinion of M.M. Filonenko-Borodich is contrary to the opinion of Manasevich, in that he considers that the general introductory course should also include lectures on the qualities of non-metallic materials. A third opinion is expressed by G.L. Pavlenko who believes that only two or three typical materials should be described. The author believes that a right decision as to the extent and content of the course "The Strength of Materials" can only be made if the course is specialized. M.M. Filonenko-Borodich indicates the possibility of such a treatment of the question, but considers

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On the Extent and Content of the Course "The Strength of Materials" 3-5-12/38

that to meet the requirements of only certain chairs would reduce the importance of the course. The author thinks that specialization should be carried out in such a manner that the future engineer shall have a precise idea of the investigating methods in the science of durability and develop his experience in the field of computation. At the same time the student must be trained in his future speciality. There were different opinions as to the manuals. The author states that the organization of the course shall provide everything necessary for the speciality to be taught. There are various schools dealing with the strength of materials. Each of them should be given the opportunity to develop its direction.

ASSOCIATION: Leningrad Institute for Railroad Transport Engineers  
(Leningradskiy institut inzhenerov zheleznodorozhnogo trans-  
porta)

AVAILABLE: Library of Congress

Card 2/2

SOV/124-57-8-9605

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 8, p 144 (USSR)

AUTHOR: Kachurin, V. K.

TITLE: Some Aspects of the Analysis of Continuous Skewed Bridges (Nekotoryye voprosy rascheta kosykh nerazreznykh mostov)

PERIODICAL: V sb.: 15-ya nauchn. konferentsiya Leningr. inzh.-stroit. in-ta. Leningrad, 1957, pp 302-303

ABSTRACT: Bibliographic entry

Card 1/1

BELYAYEV, Nikolay Mikhaylovich [deceased]. Prinimali uchastiye: BELYAVSKIY,  
L.A.; KACHURIN, V.K.; KIPNIS, Ya.I.; KOZHEVNIKOV, I.A.; KUSHELEV,  
N.Yu.; SINITSKIY, A.K.. SWITKO, I.K.. red.; TUMARKINA, N.A.,  
tekhn.red.

[Collection of problems on the strength of materials] Sbornik  
zadach po soprotivleniiu materialov. Pod obshchei red. V.K.  
Kachurina. Izd.6., stereotipnoe. Moskva, Gos.izd-vo fiziko-  
matem.lit-ry, 1958. 346 p. (MIRA 12:9)  
(Strength of materials)

KACHURIN, V.K., doktor tekhn.nauk, prof.

"Danger points" in the flexure of I-beams. Sbor. LIIZHT no.156;3-25  
'58. (Girders) (MIRA 11:9)

KACHURIN, V.K., doktor tekhn.nauk, prof.

Load-calculation diagram for bridge designs. Sbor. LIIZHT no.156:  
102-125 '58. (MIRA 11:9)  
(Bridge construction)

BELYAYEV, Nikolay Mikhaylovich, prof. [deceased]; BELYAVSKIY, L.A.,  
dotsent; KIPNIS, Ya.I., dotsent; KUSHLEV, N.Yu., dotsent;  
SINITSKOV, A.K., dotsent; KACHURIN, V.K., prof., obshchiy  
red.; SNITKO, I.K., red.; GAVRILOV, S.S., tekhn.red.

[Strength of materials] Soprotivlenie materialov. Issd.12.  
Moskva, Gos.issd-vo fiziko-matem.lit-ry, 1959. 856 p.

(Strength of materials)

(MIRA 12:8)

KACHURIN, V.K.

Designing arched disk bridges. Nauch.dokl.vys.shkoly; stroi.  
no.2:135-142 '59. (MIRA 13:4)

1. Rekomendovana knyga monty Leningradskogo inzhenerno-  
stroitel'nogo instituta.  
(Bridges, Arched)

KACHURIN, V.K., prof.

Design load systems for designing highway bridges. Avt. dor. 22  
no.9:21-24 S '59. (MIRA 12:12)  
(Bridges--Design)

KACHURIN, V.K., doktor tekhn. nauk, prof., otv. red.

[Roads and bridges] Dorogi i mosty; doklady na XIX nauchnoi konferentsii. Leningrad, 1961. 43 p. (MIRA 15:6)

1. Leningrad. Inzhenerno-stroitel'nyy institut.  
(Road construction) (Bridge construction)  
(Railroads—Earthwork)

KACHURIN, Vladimir Konstantinovich; DASHEVSKIY, S.D., kand. tekhn.  
nauk, nauchnyy red.; DNEPROVA, N.N., red. izd-va; PUL'KINA,  
Ye.A., tekhn. red.

[The theory of suspension systems; static analysis] Teoriia  
visiachikh sistem; staticheskii raschet. Leningrad, Gos-  
stroizdat, 1962. 222 p. (MIRA 15:11)  
(Cables) (Elastic rods and wires)

KACHURIN, V.K., doktor tekhn. nauk, prof., otv. red.; BUKHARIN,  
N.A., doktor tekhn. nauk, prof.

[Roads and bridges, geodesy, construction machinery,  
machine parts; reports at the 22nd scientific conference]  
Dorogi i mosty, geodezija, stroitel'nye mashiny, detali  
mashin; doklady na XXII nauchnoi konferentsii. Leningrad  
1964. 47 p.  
(MIRA 17:11)

1. Leningrad. Inzhenerno-stroitel'nyy institut.

BELYAYEV, Nikolay Mikhaylovich. Prinimali uchastiye: BELYAYEVSKIY,  
L.A.; KACHURIN, V.K.; KIPNIS, Ya.I.; KOZHEVNIKOV, I.A.;  
KUSHELEV, N.Yu.; SINITSKIY, A.K.; SNITKO, I.K., red.

[Collection of problems on the strength of materials] Sbornik  
zadach soprotivleniiu materialov. Izd.9., ispr. Moskva,  
Izd-vo "Nauka," 1965. 348 p. (MIRA 18:3)

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SOV/112-59-23-48543Translation from: Referativnyy zhurnal Elektrotehnika, 1959, Nr 23, p 180,  
(USSR)AUTHOR: Kachurin, V.N.TITLE: Principles of Calculation of a Low Voltage Electronic Modulator,

PERIODICAL: Izv. Leningr. elekrotekhn. in-ta, 1958, Nr 35, pp 166 - 184

ABSTRACT: Demands to low voltage electronic modulators, especially balanced modulators (BM), are analyzed. An analysis, calculation and experimental study of the BM circuit of signal with a half-wave anode feed are carried out. The analysis shows that: 1) the simplest BM do not work on low signals (0 - 100 millivolts) because of a relatively high ghost output signal (0.5 - 1.5); 2) a circuit with a BM and a half-wave anode feed secures a signal transformation within 2.3 - 50 millivolts, is stable in time and in respect to voltage fluctuations of the power source within  $\pm 10\%$ ; 3) a calculation carried out by the method of

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Principles of Calculation of a Low Voltage Electronic Modulator

resolution of the half-wave voltage into components makes it possible to obtain the principal relationships in a BM; 4) experimental studies of a test BM confirm the calculations with an accuracy of  $\pm 10\%$ . Eight references.

V.M.L.

X

Card 2/2

KACHURIN, V.N., inzh.

Study of a phase sensitive transistor d.c. amplifier. Izv.  
LETI 57 no.39:176-194 '59. (MIRA 15:10)  
(Transistor amplifiers)

TOPIC: RADAR: automatic control system. time discrimination

ACTUATOR: AND THE ANTRON SIGNAT: THE MOMENT OF TIME, IN  
THE SYSTEM. THE ACTUATOR IS THE CONTROLLER OF THE POSITION  
OF THE ANTRON SIGNAT.

Card 1/1 SUB CODE: DP, IE

ENCL: 2

KACHURIN, Ye.D., inzh., red.; ARISTOV, S.S., inzh., red.; FISHKOV, Ya.L.,  
inzh., red.; EPSHTEN, S.M., inzh., red.; MORSKOY, K.J., red.izd-va;  
MASLOV, N.A., red.izd-va; MVDVEDEV, L.Ya., tekhn.red.; TIKHINA,  
Ye.L., tekhn.red.

[Catalog of standard prices to be used in making estimates for  
standard plans of buildings and structures] Katalog edinichnykh  
rastsenok dlia sostavleniya smet k tipovym proektam zdanii i  
sooruzhenii. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i  
stroitel.materialam. Vol.1., 1959. 540 p. Vol.2., 1959. 654 p.  
(MIRA 12:9)

I. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam  
stroitel'stva.

(Building--Estimates)

KACHURIN, Ye.D., inzh., red.; MEN'SHIKOV, G.M., inzh., red.; FISHKOV, Ya.L., inzh., red.; EPSTEIN, S.M., inzh., red.; SHITOVA, L.N., red.izd-va; GARNUKHIN, Ye.K., tekhn.red.

[Collection No.12-M of unified regional estimates for installation operations of pipes and fittings] Sbornik No.12-M edinykh raionnykh edinichnykh rastsenok na montazhnye raboty, truboprovody i armatura. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam. Pt.2. [Pipes from stainless steel, nonferrous metals, and ferrosilicid] Truboprovody iz trub nershavieishchikh statei, tsvetnykh metallov i ferrosilida. 1961. 390 p.

(MIRA 14:7)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po' delam stroitel'stva.

(Pipe fitting)

BUDANOV, G.V., inzh., otv. za vypusk; KACHURIN, Ye.D., red.; MEN'SHIKOV, I.M., red.; FISHKOV, Ya.L., red.; EPSHTEYN, S.M., red.; PINEGIN, I.I., red. izd-va; ISLENT'YEVA, P.G., tekhn. red.

[Collection No.25 of standardized regional unit rates for refractory bricklaying for industrial furnaces and stacks. Price-list of average, regional estimate prices for refractory materials and products. Approved and put into effect as of Januar 1, 1962] Sbornik No.25 edinykh raionnykh edinichnykh rastsenok na ogneupornuiu kladku promyshlennykh pechey i trub. TSennik srednikh raionnykh smetnykh tsen na ogneupornye materialy i izdeliia. Utverzhden... i vveden v deistvie s 1 ianvaria 1962 g. Moskva, Metallurgizdat, 1962. 287 p. (MIRA 15:12)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. (Bricklaying—Prices)  
(Refractory materials—Prices)

ASTAPOVICH, Z.A., dots., red.; GUSEV, K.V., kand. ist. nauk, red.;  
IVANOVA, R.S., red.; KACHURINA, A.V., red.; RATNER, V.I., red.;  
NAUMOV, K.M., tekhn. red.

[Development of the working class in the national Republics of  
the U.S.S.R.] Razvitiye rabochego klassa v natsional'nykh respubli-  
kakh SSSR. Moskva, Izd-vo VPSh i AON pri TsK KPSS, 1962. 309 p.  
(MIRA 15:6)

1. Moscow. Akademiya obshchestvennykh nauk.  
(Labor and laboring classes)

ASTAPOVICH, Z.A., dots., red.; GUSEV, K.V., dots., red.; KACHURINA,  
A.V., red.; MARTYNOVA, M.N., tekhn. red.

[The Soviet working class at the present-day stage] Sovet-  
skii rabochii klass na sovremenном etape. Moskva, Izd-vo  
"Mysl', " 1964. 187 p. (MIRA 17:3)

1. Moscow. Akademiya obshchestvennykh nauk.

KACHURINA, L. I.

Vegetative propagation of the European linden (*Tilia platyphyllos*  
Scop.) Biul. Glav. bot. sada no. 21:94-96 '55.  
(MLRA 8:12)

1. Polyarno-al'piyskiy botanicheskiy sad Kol'skogo filiala Akademii  
nauk SSSR.  
(Russia, Northern--Linden)

KACHURINA, L.I.

[Black currants for Murmansk Province] Chernaisa smorodina dlja  
Murmanskoi oblasti. Kirovsk, Izd. "Kirovskii rabochii", 1956.  
17 p. (MIRA 14:3)  
(Murmansk Province--Currants)

KACHURINA, L.I.

Measures for speeding up the growth and development of shrubs in  
the Far North. Biul.Glav.bot.sada no.25:58-64 '56. (MIRA 10;1)

1. Polyarno-Al'piyskiy botanicheskiy sad Kol'skogo filiala Akade-  
mii nauk SSSR,  
(Russia Northern--Shrubs) (Greenhouses)

KACHURINA, L. I.

Introduction of new berry shrubs at the Polar-Alpine Botanical  
Garden. Trudy Bot.inst, Ser.6 no.7:142-143 '59.  
(MIRA 13:4)

1. Podyarno-al'piyskiy botanicheskiy sad Kol'skogo filiala im.  
S.M.Kirova AN SSSR, Kirovsk.  
(Kirovsk (Murmanek Province)--Currants)  
(Kirovsk (Murmanek Province)--Honeysuckle)

KACHURINA, N. A.

KACHURINA, N. A.: "Changes in the protein content of blood serum of calves in early stages of development." Min Higher Education USSR. Leningrad Veterinary Inst. Leningrad, 1956. (Dissertation for the Degree of Candidate in Biological Sciences).

Source: Knizhnaya letopis' No. 28 1956 Moscow

KACHURINA, N.

Textile fabrics become beautiful. Inform. biul. VDNKh no.2;  
11 F '65. (MIRA 18:3)

1. Vedushchiy inzh. Leningradskoy sittsenabivnoy fabriki imeni  
Very Slutskoy.

KACHURINA, N.A.

Changes in calf blood serum protein during the early period of development. Veterinaria 35 no.4:77-79 Ap '58. (MIRA 11:3)

1. Leningradskiy nauchno-issledovatel'skiy veterinarnyy institut.  
(Blood proteins) (Calves)

KACHURINA, N.A.

Effect of chlortetracycline treatment on the indices of nicotinic acid metabolism. Ekspl. i klin. issl. po antibiot. 2:84-88 '60.

(AUREOMYCIN) (NICOTINIC ACID) (MIRA 15:5)  
(SKIN--DISEASES)

KACHURINA, N.A.; TIUNOV, L.A. (Leningrad)

Characteristics of pyrimidine metabolism in tumor tissues.  
Usp. sovr. biol. 59 no.1:114-127 Ja-F '65.

(MIRA 18:3)

GROKHOL'SKAYA, N.V. [deceased]; KACHURINA, N.A.; TIUNOV, L.A.

Mechanism of the toxic effects of isopropylbenzene hydroperoxide.  
Farm. i toks. 27 no.1:83-87 Ja-F '64.

(MIRA 17:11)

KACHURINA, N.A.

Comparative studies on the effect of oxytetracycline and streptomycin on the metabolism of vitamin PP in chronic nonspecific pneumonia. Antibiotiki 9 no.5:426-430 My '64.

1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov. (MIRA 18:2)

KACIURINA, N.Ya.; PROKOF'YEV, K.V.; KAZANSKIY, V.L.; TRUPANOVA, A.G.

Production of trimellitic acid by pseudocumene oxidation.  
Neftekhimiia 5 no.6:880-886 N-D '65. (MIRA 19:2)

1. Kuybyshevskiy nauchno-issledovatel'skiy institut neftyanoy  
promyshlennosti i Novokuybyshevskoye neftetekhnologicheskoye  
otdeleniye. Submitted Oct. 20, 1964.

KACHURINA, N.Ya.; PROKOF'YEV, K.V.; TRUPANOVA, A.G.

Isolation of aromatic hydrocarbons C<sub>9</sub> from high-boiling fractions formed in the process of xylene production. Nefteper. i neftekhim. no.5:32-34 '65. (MIRA 18:7)

1. Kuybyshevskiy nauchno-issledovatel'skiy institut neftyanoy promyshlennosti.

KACHURINER, Ya.A., inzh.

"Technology of turbine design and construction" by N.IA.Bauman,  
I.N.Sverchkov, M.I.IAkovlev. Reviewed by IA.A.Kachuriner.  
Energomashinostroenie 7 no.12:42 D '61. (MIRA 14:12)  
(Turbines--Design and construction) (Bauman, N.IA)  
(Sverchkov, I.N.) (IAklev, M.I.)

BROVERMAN, Mikhail Vladimirovich; STERNIN, M.G., inzh., retsenzent;  
KACHURINER, I.A., inzh., red.; BORODULINA, I.A., red.izd-va;  
YAKOVLEV, P.S., tekhn.red.

[Technology of the manufacture of centrifugal compressors]  
Tekhnologija proizvodstva tsentroboesnykh kompressornykh  
mashin. Moskva, Gos.suchno-tekhn.izd-vo mashinostroit.lit-ry.  
1960. 220 p. (MIRA 13:4)

(Compressors)

AUTHOR: Kachuriner, Yu. Ya. (Engineer).

TITLE : Losses due to non-designed conditions in stages with expanding nozzles with back-pressure higher than the designed value.  
(Poteri ot neraschetnogo rezhima v stupeni s rasshiryayushchimysya soplami pri protivodavlenii vyshhe reschetnogo.) 114-7-9/14

PERIODICAL: "Energomashinostroyeniye" (Power Machinery Construction) 1957, No.7, Vol.3, pp.27-30. (U.S.S.R.)

ABSTRACT: The investigations described in this article were carried out in NZL mostly in 1954 under the general leadership of Engineer G.A. Zal'f. Candidate physical Mathematical Science A.L.Dorfman and Engineers S.V.Grishuk and Yu. Ya. Kachuriner also took part. Of the various investigations carried out on velocity wheels it is now possible to systematise the work on the determination of additional losses resulting from non-designed conditions for stages with expanding nozzles for back-pressures greater than the designed value. These losses arise during changes of load on a turbine when the stage is not working under design conditions. The article explains briefly when and why the losses occur. Fuller information about leakage from expanding nozzles and of the losses that then occur will be found in courses of gas dynamics. The article considers a turbine stage with zero degree of reaction having an expanding nozzle. An expression is derived for the stage efficiency. Results of tests on one of the stages with

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Losses due to non-designed conditions in stages with expanding nozzles with back-pressure higher than the designed value. (Cont.) expanding nozzles is given in Fig.1 which shows changes in the efficiency of a double row velocity wheel. If the losses determined from Fig.1 are expressed in terms of the pressure ratio, for each nozzle profile there is obtained a curve of the type shown in Fig.2. The  $v^2$  diagram shown in Fig.3 is constructed in co-ordinates of relative pressure drop. The method of using a  $v^2$  diagram to make calculations on experimental data is explained in the article. In order to convert the data obtained to apply to nozzles with other angles use may be made of Nikuradze's data on the velocity distribution in the outlet section of plane diffusers. The velocities determined in this way are characteristic for steady flow in diffusers. Appropriate graphs are given in Fig.6 from which it will be seen that increase in the angle of the nozzle causes a decrease in the coefficient  $\alpha$  which is the coefficient of flow of the outlet section equal to the ratio of the flow coefficient of the outlet section with non-designed and designed pressure ratios. Fig.6 may be used to interpolate experimental data for nozzles with angles different from those tested. In the light of the above it may be concluded that the loss due to the non-designed condition of a turbine stage working with a higher than designed value of back-pressure is mainly determined by the

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Losses due to non-designed conditions in stages with expanding nozzles with back-pressure higher than the designed value. (Cont.) configuration of the nozzle channel and by the pressure ratio. As the back-pressure increases above the designed value the loss gradually rises and reaches a maximum value at a critical pressure ratio. In conclusion Fig. 7 gives a diagram of the loss for the non-designed condition for two types of nozzle of  $8^{\circ}$  angle.

There are seven figures and three literature references, two of which are Russian.

AVAILABLE:

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114-7-9/14

AUTHOR: Kachuriner, Yu/A., Engineer SOV/96-59-5-19/19  
TITLE: Letter to the Editor (Pis'mo v redaktsiyu)  
PERIODICAL: Teploenergetika, 1959, Nr 5, p 96 (USSR)  
ABSTRACT: Teploenergetika 1958, Nr 5, contained an article by Deych, Troyanovskiy, Kazintsev and Abramov which gives the results of tests on the velocity stages, carried out at the Moscow Power Institute. The data were of considerable interest; the article also included test data on velocity stages of other types used in different works and having the old blade profiles. In comparing the different types of blades, the authors made a number of mistakes which are explained in this note. In the outcome it is concluded that the efficiency of velocity stage KS-1a developed by the Moscow Power Institute is of the same order as the efficiency of the best of the old stages, the possible advantages being hardly greater than 1%.

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S/170/60/003/010/011/023  
B019/B054

AUTHOR: Kachuriner, Yu. Ya.

TITLE: Determination of the Velocity of Water Drops Carried  
Along by a Gas Flow

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1960, Vol. 3, No. 10,  
pp. 80 - 84

TEXT: At the beginning, the author states that the values determined by L. I. Degtyarev (Ref. 1) for the velocity of water drops in a gas flow are of little value. He criticizes formula (3) derived by Degtyarev for calculating the force acting on a ball from experimental values since it does not take account of the peculiarities of a gas flow round the drops (deformation of ball-shaped drops, etc.). On the basis of the formula obtained by Nukiyama and Tanazawa for calculating the drop diameter, the author obtains formula (8) for calculating the velocity  $c_w$  of water drops from the velocity  $c_g$  of the gas flow:

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84266

Determination of the Velocity of Water  
Drops Carried Along by a Gas Flow

S/170/60/003/010/011/023  
B019/B054

$$\frac{c_w}{g} = \frac{(1 - \alpha)^2 a + \alpha^2 - \sqrt{(1 - \alpha)^4 a + \alpha^2(1 - \alpha)^2}}{(1 - \alpha)^2 a - (1 - 2\alpha)} \quad (8),$$

where  $a = 2\lambda c_s$ . This formula holds in the range in which the drops are accelerated at constant gas velocity. A similar formula (14) is derived for the case in which the gas velocity increases linearly. To facilitate the calculation, the author gives two diagrams of the functions  $c_w/c_g = f(a)$  and  $a = f(p)$  in Fig. 1. The diagram of Fig. 2 shows results of the approximate calculation according to (6), and of an exact calculation. The satisfactory agreement of the results justifies the recommendation of formulas (8) and (14). There are 2 figures, 1 table, and 3 references: 2 Soviet and 1 US.

Card 2/3

KACHURINER, Yu.Ya., inzh.; FADDEYEV, I.P., kand.tekhn.nauk

Effect of steam moisture on the performance of the turbine stage.  
Energomashinostroenie 7 no.8:5-8 Ag '61. (MIRA 14:10)  
(Steam turbines)

KACHURO, I.I.

Frequency localization in the auditory area of the cerebral cortex in cats. Fiziol. zh. SSSR Sechenov 49 no.6:659-665  
'63 (MIRA 17:1)

1. From the Laboratory for Auditory Analyser Physiology, I.P. Pavlov Institute of Physiology, Leningrad.

LYAN CHZHI-AN<sup>1</sup> [Liang Chih-an]; KACHURO, I.I.; ZABOYEVA, N.V.

Method for implanting multiple electrodes for the purpose of leading off electrical potentials from different points of the auditory cortical zone in a chrome experiment. Fiziol.zhur. 48 no.12:1517-1520 D '62. (MIRA 16:2)

1. Laboratoriya fiziologii sluchovogo analizatora Instituta fiziologii imeni I.P. Pavlova AN SSSR, Leningrad.  
(ELECTROPHYSIOLOGY)

YAC. Ha. 0, 1. M.

TIMOSHININ, V.D.; YEVTIKHIYEV, B.Ye.; KACHURO, I.M.; RABINOVICH, A.,  
redaktor; STEPANOVA, N., tekhnicheskiy redaktor

[Sugar beet growing in White Russia] Vozdelyvanie sakharinoi svetly  
v Belorussii. Minsk, Gos. izd-vo BSSR, 1956. 243 p. (MIRA 10:4)  
(White Russia--Sugar beets)

KACHURO, Ivan Mikhaylovich; ROZENBLYUM, Boris Moiseyevich; MINKEVICH, I.A., akademik, red.; BARKAN, V.A., red.; ZUYKOVA, V.I., tekhn. red.

[Instructions for developing and introducing an efficient management system on collective and state farms of the White Russian SSR] Metodicheskie ukazaniia po razrabotke i vvedeniiu ratsional'noi sistemy vedeniya khoziaistva v kolkhozakh i sovkhozakh BSSR, Pod red. I.A. Minkevicha. Minsk. Izd-vo ASKhN BSSR, 1960. 70 p. (MIRA 14:9)

1. Akademiya sel'skokhozyaystvennykh nauk BSSR (for Minkevich).  
(White Russia—Agriculture)

KACHURO, I.M.; BUGAREVICH, V.S.; GORYACHKO, N.I.; LINEVICH, A.V.;  
LUK'YANOV, M.I.; TORKAYLO, I., red.

[Basic and supplemental wages on collective farms] Osnov-  
naia i dopolnitel'naia oplata truda v kolkhozakh. Minsk,  
Izd-vo "Urozhai," 1964. 57 p. (MIRA 17:6)

1. Belorusskiy nauchno-issledovatel'skiy institut ekonomiki  
i organizatsii sel'skokhozyaystvennogo proizvodstva.
2. Chlen-korrespondent AN Bel.SSR (for all except Torkaylo).

1. KACHUROV, N. J. M.
2. USSR (600)
4. Beets and Beet sugar - Transportation
7. Attachments for automobiles that should decrease the dirt on the beets.  
Sakh. prom. 26 no. 10, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

KACHURO, O.Yu.

New species of Ostracoda from Jurassic sediments in the Chulym-Yenisey Lowland. Mat.po geol.Zap.Sib. no.63:203-207 '62.  
(MIRA 16:10)

KACHUROV, V., inzh.

Mechanized sheet piling. Mast. ugl. 7 no. 5:25-26 My '58.  
(MIRA 11:7)

(Mine timbering)  
(Sheet piling)

SMIRNOVA, I.S., kand.tekhn.nauk; BAKHIREV, N.F., inzh.; KACHUROVA, X.P., zootekhnik; KUTSEMKO, V.V., inzh.; BUKHTIN, B.I., inzh.; SVEN-TETSKIY, I.I., inzh.; KISHECHNIKOV, S.A., inzh.; YEVREINOV, M.G., red.:

[Ultraviolet irradiation of farm animals and poultry; a manual]  
Ul'trafioletovoe obluchenie sel'skokhozistvennykh zhivotnykh i ptits; rukovodstvo. Moskva, Otdel tekhn.informatsii VIESKhA, 1959. 34 p.  
(MIRA 13:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva. 2. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I. Lenina (VASKHNIL) (for Yevreinov).

(Ultraviolet rays--Therapeutic use) (Veterinary hygiene)

FAN-YUNG, A.P.; KACHUROVSKAYA, T.V.

Prevention of clouding of clarified juices. Kons.i ov.prom. 15 no.8:  
6-9 Ag '60. (MIRA 13:8)

1. Odesskiy tekhnologicheskiy institut pishchevoy i kholodil'noy  
promyshlennosti.  
(Fruit juices)

KACHUROVSKIY, R.I.

Monotone nonlineair operators in Banach spaces. Dokl. AN SSSR 163 no.3;  
559-562 J1 '65.  
(MIRA 18:7)

1. Vsesoyuznyy zaochnyy elektrotekhnicheskiy institut svyazi. Submitted January 13, 1965.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000519820008-8

KACHUROVSKIY, R.I.

Some linear integral operators. Uch.zap.MOPI 77:187-194  
'59. (MIRA 13:5)  
(Operators (Mathematics))

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000519820008-8"

KACHUROVSKIY, R.I.

Theory of systems of nonlinear integral equations. Uch.sap.  
MOPI 77:203-212 '59. (MIRA 13:5)  
(Integral equations)

16(4) 16-1500

1  
68138

AUTHORS: Vaynberg, M.M., Kachurovskiy, R.I. SOV/20-129-6-1/69  
TITLE: On the Variation Theory of Non-Linear Operators and Equations  
PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 6,  
pp 1199-1202 (USSR)

ABSTRACT: Let  $A$  be a linear integral operator  $Av = \int_D K(x,y)v(y)dy$ ,

$h u = g(u(x),x)$  the Nemytskiy operator and  $\Gamma = Ah$  the operator/  
Hammerstein. The kernel  $K(x,y)$  is assumed to be symmetric. Let  
 $K_{1,n}(x,y) = K(x + \frac{i-1}{n}, y + \frac{j-1}{n})$  for  $0 \leq x, y < \frac{1}{n}$  ( $i, j = 1, 2, \dots, n$ ;  
 $n > 2$ ) and the operator  $A_{1,n}$  is assumed to be defined by  $A_{1,n} v =$   
 $= \int_0^1 K_{1,n}(x,y)v(y)dy$ . Let  $A \in \mathcal{K}$ , if for a certain  $n$  all the  
 $A_{1,n}$  are self-adjoint and positive in  $L^2$ . Let the real function  
 $g(u,x)$  be defined for  $u \in (-\infty, \infty)$ ,  $x \in [0,1]$  and be con-  
tinuous in  $u$  and measurable in  $x$  in  $D \setminus (0 \leq x, y = 1)$ .  $A$  is ✓

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On the Variation Theory of Non-Linear Operators  
and Equations

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assumed to be completely continuous from  $L^q$  in  $L^p$  ( $p > 2$ ,  
 $p^{-1} + q^{-1} = 1$ ).

Theorem 1: Let  $g(u, x) \leq a(x) + b \cdot u^{p-1}$ ,  $\int_0^u g(v, x) dv \leq a_1 u^2 + b_1(x) u^\alpha + o(x)$ , where  $a(x) \in L^q$ ;  $b < 0$ ;  $a_1 < \lambda n^{-1}$ ,  
 $\lambda$  small characteristic number of the  $A_{1x}$ ;  $b_1(x) \in L^1$ ,

$\gamma = \frac{2}{2-\alpha}$ ,  $0 < \alpha < 2$ ,  $o(x) \in L^1$ . Then  $u = \int u$  has at least  
one solution in  $L^p$ .

Theorem 2 contains the same statement for the system  $u_i(x) =$   
$$\sum_{y=1}^n \int_D K_{iy}(x, y) g_i(u_1(y), u_2(y), \dots, u_n(y), y) dy$$
 with

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2

On the Variation Theory of Non-Linear Operators  
and Equations

SOV/20-129-6-1/69

$$\mathcal{G}_y(u_1, \dots, u_n, y) = \frac{\partial}{\partial u_y} G(u_1, \dots, u_n, y) .$$

Theorem 3 gives conditions for the existence of at least one bounded solution of the equation  $u = \Gamma u$ .

Three further theorems deal with the eigenfunctions of  $\Gamma$ , e.g. Theorem 5: Let  $|g(u, x)| \leq a(x) + b|u|^{p-1}$  where  $a(x) \in L^q$ ,  $b > 0$ ,  $g(0, x) = 0$ . Then there exists a continuum of eigenfunctions of the operator  $\Gamma$ , which belong to  $L^p$  and the norms of which are smaller than an arbitrary positive number.

The last theorem deals with the variational principle for the existence of a fixed point:

Theorem 7: Let the potential operator  $F(x)$  given in the reflexive Banach space  $E$  satisfy the conditions:  
 $(F(x+y) - F(x), y) \geq 0$ ,  $(F(x_0 + y) - F(x_0), y) \geq \|y\| \gamma (\|y\|)$ ,  
where  $x_0, x, y \in E$ ,  $x$  fixed vector,  $y$  arbitrary vectors,

$\gamma(t) > 0$  for  $t > 0$  and  $\lim_{R \rightarrow \infty} \int_0^R \gamma(tR) dt = +\infty$ . A unique

X

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68138

On the Variation Theory of Non-Linear Operators  
and Equations

SOV/20-129-6-1/69

solution of the equation  $F(x) = 0$  then exists in E.  
There are 3 Soviet references.

ASSOCIATION: Moskovskiy oblastnoy pedagogicheskiy institut imeni N.K.  
Krupskoy (Moscow Regional Pedagogical Institute imeni N.K.  
Krupskaya)

PRESENTED: August 28, 1959, by S.L. Sobolev, Academician

SUBMITTED: August 28, 1959

X

Card 4/4

KACHUROWSKI, R.I.

Variational theory of operator equations. Uch. zap. MCPI 96:  
209-214 '60. (MIRA 16:7)

(Calculus of variations)  
(Functional analysis)  
(Operators (Mathematics))

32882

16.4600 16.5400

S/044/61/000/012/038/054  
0111/C333

AUTHOR: Kachurovskiy, R. I.

TITLE: On some fixed point principles

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1961, 89,  
abstract 12B404. ("Uch. zap. Mosk. obl. ped. in-ta",  
1960, 96, 215-219)

TEXT: The author gives new fixed point theorems. Let a potential operator  $F(x)$  be given on the entire real Hilbert space  $H$  which satisfies the condition

$$(F(x+h) - F(x), h) \leq a \|h\|^2 \quad (x, h \in H). \quad (1)$$

By a variational method the author shows that the equation

$$x = \alpha F(x) + f \quad (2)$$

then possesses a unique solution for all nonnegative  $\alpha$  for which  $a\alpha < 1$ , and for every  $f \in H$ . The operator  $R_\alpha$  which assigns the solution of (2) to the element  $f \in H$  is called resolvent of the non-linear operator  $F(x)$ . The properties of the resolvent are investigated (concerning Card 1/3) 4

On some fixed point principles

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S/044/61/000/012/038/054  
C111/C333

the resolvent of an operator satisfying the Lipschitz condition, see R Zh Mat, 1957, 3310K). With the aid of the resolvent there are proved fixed point theorems which represent combinations of the variational principle with the principle of Schauder or with the principle of contracting mappings (The combination: principle of Schauder - principle of contracting mapping was considered by M. A. Krasnosel'skiy (R Zh Mat, 1956, 5984)).

Theorem 1: Let the potential operator  $F(x)$  satisfy (1), where  $1 + a < 0$  and  $\|F(0)\| \leq -\frac{1+a}{2} r$ . Let the completely continuous operator  $L(x)$  map the sphere  $\|x\| \leq r$  into itself. Then the equation

$$x = F(x) + L(x) \quad (3)$$

has at least one solution.

Theorem 2: Let the potential operator  $F(x)$  satisfy (1), where  $a < 1$ . The operator  $L(x)$  given on the entire Hilbert space  $H$  is assumed to

Card 2/3

32652

On some fixed point principles  
satisfy the Lipschitz condition. Then (3) possesses a unique solution.  
[Abstracter's note: Complete translation.]

S/044/61/000/012/038/054  
C111/0333

4

Card 3/3

FAN-YUNG, A.F.; KACHUROVSKAYA, T.V.

Addition of sugar and acid to natural grape juice. Kons.i  
ov.prom. 17 no.5:17-18 My '62. (MIRA 15:5)

1. Odesskiy tehnologicheskiy institut pishchevoy i  
kholodil'noy promyshlennosti.  
(Grape juice)

REINER, Ivan, Dr.; KACIC, Petar, Dr.

Prezenile osteoporosis in menopause - Albright's disease. Lijec  
vjes 82 no.7/8: 599-608 '60.

1. Iz Internog odjela i Zavoda za rentgenologiju Opće bolnice "Dra  
M.Stojanovica" u Zagrebu  
(OSTETIS FIBROSA case reports)  
(MENOPAUSE comp)

KACIC, Petar, Dr.; OBERITER, Branko, Dr.; KATUNARIC, Dusko, Dr.

Comparative studies on tri- and di-iodized contrast media in urography. Lijec vjes 82 no.9/10:735-739 '60.

1. Iz Zavoda za radiologiju i Urološkog odjela Opće bolnice "Dra Mladena Stojanovica" u Zagrebu  
(UROGENITAL SYSTEM radiog)  
(IODIZED OILS)

KACIC, P.; ILIC, I.

Retropneumoperitoneum with tomography in the diagnosis of  
kidney diseases. Acta chir. Jugosl. 10 no.1:38-48 '63.

I. Rendgen odjel (Sef dr P. Kacic) i Kirurski odjel (Sef dr  
I. Ilic) Medicinskog centra u Dubrovniku.

(KIDNEY DISEASES)  
(PNEUMOPERITONEUM, ARTIFICIAL)  
(TOMOGRAPHY)

S

ILIC, Ivan, dr.; KACIC, Petar, dr.

A rare case of urolithiasis. Lijecn.vjesn. 85 no.11:1263-1267  
N '63.

1. Iz Kururskog i Rendgenskog odjela Medicinskog centra u Dubrovniku.

S

KACIC, Petar, dr.; KOVACEVIC-IVANOVIC, Nada, dr.

Post-pneumonia pseudocyst (pneumatocela) in children. Lijecn.  
vjesn. 83 no.6:611-617 '61.

1. Iz Odjela za rendgenologiju i Odjela za dječje bolesti  
Zdravstvenog centra u Dubrovniku.  
(PNEUMONIA compl) (PULMONARY EMPHYSEMA etiol)

KACIDHJA, N.

Transformation of the content of concrete from weight to volume.

p. 15 (Teknika) Vol. 4, No. 4, July/Aug. 1957. Tirane, Albania.

SO: Monthly Index of East European Accessions (EEAI) LC, - Vol. 7, No. 1, Jan. 1958

MEZRICKY, V., MUDr.; KACIN, J., MUDr; TRUKSCVA, B., prom. lekarka; KAMINEK, J.,  
MUDr.

Experiences with cooperation of the physician with the veterinarian  
in the Kolin district. Cesk. zdrav. 13 no.1:31-34 Ja '65

1. Okresni veterinarni zarizeni, Kolin (vedouci V. Palounek,  
prom. vet. lekar); Okresni hygiencko-epidemiologicka stanice  
Obvodniho ustavu narodniho zdravi, Kolin (vedouci J. Lech, prom.  
lekar) a Okresni ustredi zdravotnicke osvety Obvodniho ustavu  
narodniho zdravi, Kolin (vedouci MUDr. J. Kaminek).

KACIREK, Milan

Dielectric drying of foundry molds and cores. Slevarenstvi 9 no.11:  
424-425 N '61.

1. Motor, n.p., Ceske Budejovice.

(Founding) (Dielectrics)

STRASKY, Drahoslav; KACIREK, Milan

Effect of tin on the structure and mechanical properties of gray  
cast iron. Slevarenstvi 11 no.4:160-163 Ap '63.

l. Motor, n.p., Ceske Budejovice.

KACIREK, Milan

Experiences in dielectric drying of molds and cores.  
Slevarenstvi 12 no.4;146-148 Ap '64.

1. Motor, Ceske Budejovice.

L 15229-65 EWP(t)/EWP(b) JD  
ACCESSION NR: A84045060

Z/OC32/64/014/000/0001-0001

TOPIC CODE: soft metal plating, semifinished product, cold forming

ABSTRACT: A Czechoslovak data has been issued for a simple and high-quality method of applying soft-metal platings to parts made by cold forming. It is necessary to previously determine size and shape of plate, the degreased surface of the semifinished product, and during forming by the cold forming method to provide for perfect bond of plate with base.

ASSOCIATION: none

DISCRIPTION: Blanks?

ENCL: C1

L 15229-5  
ACCESSION NR: AP4045060

ENCLOSURE 1

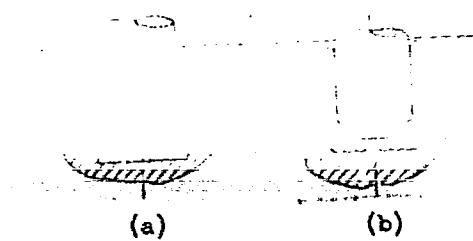


Fig. 1. Press for plating with soft metals (a - before cold-molding; b - after cold-molding; and plating)

1 - Mold; 2 - press; 3 - metal for part to be cold-molded;  
4 - foil; 5 - finished cold-molded part; 6 - soft-metal plating.

Card 2/2

KATSISHAK, Frantisek [Kacinskak, F.]

Polish "A" black dye. Tekst.prom. 20 no.6:72-74  
Je '60. (MIRA 13:7)  
(Poland--Dyes and dyeing) (Black)

KACIUBA-USCILKO, Hanna; STUPNICKI, Romuald

Histological changes in the thyroid glands of birds during growth.  
III. The status of colloid and the height of epithelial cells of  
thyroid follicles in chickens with different growth rates. Acta  
physiol. Pol. 16 no.2:275-288 Mr-Ap'65.

1. Pracownia Histologiczna i Zaklad Endokrynologii i Neurofizjolo-  
gii Instytutu Fizjologii i Zydzenia Zwierząt Polskiej Akademii  
Nauk (Kierownik: prof. dr. K. Domanski).

KACIUCH-SCJALO, Hanna; STUPNICKI, Romuald

Histological changes in the thyroid gland in growing birds.

1. Studie on the size of thyroid follicles in chicks in  
various stages of growth. Acta physiol. Pol. 15 no. 1-2 p. 1-30  
Jl-Aug '64

1. W Instytucie Fizjologii i Zycienia Zwierząt Polskiej Akademii  
Nauk w Jabłonni (Kierownika prof. dr. J. Kielanowski).

KACJAN, M.

Brun, K.; Kacjan, M.; Kriznar, M. "Arandjelovac clays as a material for the production of electro-porcelain." p. 451. (Priroda. Vol. 18, no. 6/7, 1953. Zagreb)

SO: Monthly List of East European Accessions, Vol. 3, no. 3, Library of Congress. March 1954.  
Uncl.

BOGUSHEVSKI, V., doktor sel'skokhosyatsvennykh nauk; KATS-KATSAS, M., [Kac-Kacas, M.]  
doktor khimicheskikh nauk.

Fertilizer and lime application to soils in Poland. Zemledelie  
(MIRA 13:12)  
23 no.1:75-80 Ja '61.

1. Institut agrotehniki, udobreniya i pochvovedeniya Pulavy.  
(Poland--Fertilizers and manures)

KAC-KACAS, M.

Remarks on the acidity of some podsolic soils in connection with  
their mineral composition. Postepy nauk roln 8 no.1:101-127  
'61. (EEAI 10:8)

1. Instytut Uprawy, Nawozenia i Gleboszczelwia, Pulawy.  
(Soils) (Podsol)

BOGUSZEWSKI, W.; KAC-KACAS, M.

Remarks on the problem of liming soils in Poland. Postepy nauk roln 8  
no. 5:79-97 S-0 '61.

1. Pracownia Nawozenia, Instytut Uprawy, Nawozenia i Gleboznawstwa,  
Pulawy.

(Poland—Soils)

KAC-KACAS, Mendel

Determination of the exchangeable base cation content in acid soils. Rocznik nauk roln 86 no.1 '62

1. Pracownia Nawozenia, Instytut Uprawy, Nawozenia i Gleboznawstwa, Puławy.

BOGUSZEWSKI, W.; KAC-KACAS, M.

Remarks on the problem of soil liming in Poland. Pt. 2. Postepy  
nauk roln 9 no.2:57-74 Mr-Ap '62.

1. Pracownia Nawozenia, Instytut Uprawy, Nawozenia i  
Gleboznawstwa, Puławy.

KAC-KACAS, M.; CHOJNACKI, A.

Determination of the calcium and magnesium content in plants.  
Rocznik rolniczy 88 no.1:73-90 '63.

1. Pracownia Nawozenia, Instytut Uprawy, Nawozenia i Gleboznawstwa,  
Pulawy.

KAC-KACAS, M.; ROZYCKA, T.

Certain studies on magnesium fertilization. Pt. 1.  
Rocznik nauk rolniczych 88 no. 3:585-603 '64.

1. Manuring Laboratory, Institute of Cultivation,  
Manuring and Soil Science, Pulawy.

KAC-KACAS, M.; ROZYCKA, T.; KABATA-PENDIAS, A.

Studies on molybdenum fertilizing of soils of various acidity.  
Rocznik nauk roln. rosl. 88 no. 4: 773-790 '64.

1. Laboratory of Fertilizing and Manuring and Department of  
Soil Science, Institute of Cultivation, Fertilization, and Soil  
Science, Pulawy.

KAC-KACAS, M.

Magnesium fertilizing and liming. Postepy nauk roln 11 no.4:  
115-132 Jl-Ag '64.

1. Institute of Cultivation, Fertilization and Soil Science,  
Pulawy.